

1896-7

Workeſhire Philoſophical Society.

A N N U A L R E P O R T

FOR

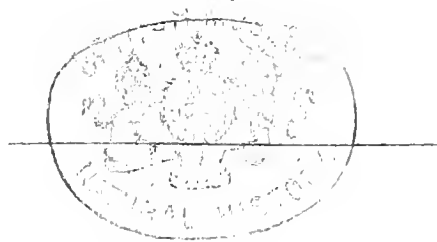
MDCCCXL.



A N N U A L R E P O R T
OF THE COUNCIL
OF THE
YORKSHIRE
PHILOSOPHICAL SOCIETY
FOR
MDCCCXL.

PRESENTED TO THE ANNUAL MEETING

FEBRUARY 2ND, 1841.



YORK:

THOMAS WILSON AND SONS, HIGH-OUSEGATE.

1841.

TRUSTEES
OF
THE YORKSHIRE MUSEUM,
APPOINTED BY THE ROYAL GRANT.

HIS GRACE, EDWARD, LORD ARCHBISHOP OF
YORK.

GEORGE, EARL OF CARLISLE, K.G.

CHARLES WILLIAM, EARL FITZWILLIAM,
F.R.S., F.S.A.

THOMAS PHILIP, EARL DE GREY.

HON. AND VERY REV. HENRY HOWARD, D.D.
DEAN OF LICHFIELD.

FRANCIS CHOLMELEY, ESQ. F.S.A.

ROBERT DENISON, ESQ.

REV. WILLIAM VERNON HARCOURT, F.R.S.

WILLIAM HATFEILD, ESQ. F.G.S.

WILLIAM LAWSON, ESQ. F.S.A.

RICHARD JOHN THOMPSON, ESQ.

PATRONESSES

OF

The Yorkshire Philosophical Society.

HER MAJESTY THE QUEEN.

HER ROYAL HIGHNESS THE DUCHESS OF KENT.

PATRONS.

HIS GRACE THE ARCHBISHOP OF YORK.

EARL OF CARLISLE, K.G.

EARL FITZWILLIAM, F.R.S.

EARL OF TYRCONNEL, F.R.S.

THE VISCOUNT MORPETH.

THE LORD STOURTON.

THE LORD WHARNCLIFFE.

THE LORD WENLOCK.

OFFICERS OF THE SOCIETY, 1841.

PRESIDENT :

EARL FITZWILLIAM, F.R.S.

VICE-PRESIDENTS :

REV. ROBERT BRYAN COOKE, F.G.S.

WILLIAM GARFORTH.

REV. JOHN GRAHAM.

WILLIAM HATFEILD, F.G.S.

REV. JOHN KENRICK.

THOMAS MEYNELL, JUN., F.L.S.

HENRY STEPHENS THOMPSON.

BALDWIN WAKE, M.D.

TREASURER :

ROBERT DAVIES.

COUNCIL :

Elected 1838 GEORGE GOLDIE, M.D.

Elected 1839 HENRY PHILIP CHOLMELEY,

REV. STEPHEN CREYKE,

REV. WILLIAM HENRY DIXON, F.S.A.

Elected 1840 THOMAS ALLIS,

FAVEL JAMES COPSIE,

WILLIAM GRAY, JUN., F.G.S.

REV. CHARLES WELLBELOVED,

Elected 1841 REV. T. EGERTON, F.G.S.

REV. W. HEY,

W. D. LITTLEDALE,

W. F. RAWDON, M.D.

SECRETARIES :

JOHN PHILLIPS, F.R.S., G.S.

HENRY ROBINSON.

CURATORS:

NATURAL HISTORY DEPARTMENT.

GEOLOGY	...	...	J. PHILLIPS, F.R.S., G.S.
MINERALOGY	...	...	W. HATFIELD, F.G.S.
ZOOLOGY—VERTEBRATA	...	*	
ANNULOSA	...		T. MEYNELL, JUN. F.L.S.
MOLLUSCA AND ZOOPHYTA		}	*
COMPARATIVE ANATOMY	...		THOMAS ALLIS.
BOTANY—GENERAL	...		WM. D. HUSBAND.
BRITISH	...		O. A. MOORE.

ANTIQUITIES	...	...	REV. C. WELLBELOVED.
LIBRARY and MSS.	...		JOSEPH MUNBY.
LABORATORY	...	...	T. H. BARKER.
OBSERVATORY	...	...	W. L. NEWMAN.
METEOROLOGICAL INSTRUMENTS			JOHN FORD.

SUB-CURATOR OF THE MUSEUM:

HENRY BAINES.

* These departments for which no Curators are specially named, are considered to be under the direction of the Secretaries and the Sub-Curator.

YORKSHIRE PHILOSOPHICAL SOCIETY.

REPORT OF THE COUNCIL,

PRESENTED TO THE ANNUAL MEETING FEB. 2, 1841.

IN the Report which the Council have the honour to present to the Eighteenth Annual Meeting of the Yorkshire Philosophical Society, the Members will receive a concise account of the progress which has been made in the past year ; of the actual state in which the Institution is placed in each of its departments ; and of the method by which it may proceed farther in its career of usefulness.

It is gratifying to the Council to deliver on this occasion a statement that much which the members desired to see undertaken has been performed, without placing the finances in an unfavourable position ; to record an ample addition of Members elected, a continual *accession* of donations to the Museum, and an undiminished attendance of visitors.

From these circumstances and the valuable aid which has been afforded by individual exertion, in literary efforts and the management of business, there is reason to hope the Institution has lost none of its power of influencing the progress of knowledge, and administering to the intellectual tastes and enjoyments of the public.

The activity with which the resources of the community are now directed to the practical applications of knowledge,

ought to be favourable to every institution which can aid, in any degree, the acquisition of its fundamental principles. It is, moreover, the opinion of the Council that in addition to the acknowledged advantages of consulting the various Collections, the Laboratory and Observatory may be rendered a means of valuable instruction, and that it is in the power of the Society, at a moderate cost, to give very effectual assistance toward the solution of new problems of the highest interest in Meteorology, such as the registration of the velocity as well as the direction of the wind, the direction and inclination as well as the quantity of rain, and the temperature of the air at different heights above the ground. For observations of this kind York is favourably situated, and by comparing the indications of a standard set of instruments here with others placed in different parts of the county, much information interesting in science, if not immediately valuable in practical applications, might result.

The donations to the Geological museum have been numerous, and the Council wish particularly to notice the tertiary fossils from the Mokattam range in Egypt, collected by Wm. Hatfeild, Esq. ; a series of fossil plants from Bradford, presented by G. Pollard, Esq. ; and several *productæ* and other shells from the limestone of Bredon hills in Leicestershire, the gift of the lamented Lady Flora Hastings. Dr. Wake has added some splendid specimens from Lyme Regis ; and Mr. Bower a magnificent tusk of the fossil elephant, curved through three-fourths of a spiral, from Cheveley near Newmarket. An exchange with the Earl of Enniskillen has enabled us nearly to complete the fine skeleton of the Elk.

Among a few specimens which have been added to the Mineralogical Cabinet, is one the gift of Captain Ivanitzky, Vivianite in a bivalve shell, from the Crimea.

In the list of the Zoological donations will be found a number of Reptiles, and Eggs of the Ostrich, one of several fruits of Mr. Hatfeild's travels in Egypt.

The most remarkable donation to the collection of Comparative Anatomy is a very elegant and admirable injected preparation of a Horse's head, by Mr. W. F. Lockwood, Veterinary Surgeon.

It will be seen that the collection of Coins has received from the Curator and others some interesting additions, especially a portion of the many objects of this nature belonging to the latter days of Rome, which have been discovered in the railway excavations.

Considerable additions have been made to the Antiquarian department during the last year, especially of the remains of Roman York. For the possession of these the Society is indebted to the forethought of the Directors of the two Railway Companies* whose lines are now united in our City. Every application which has been addressed by the Council to these Boards has met with the most prompt attention, and there are yet several benefits which the Society may reasonably count upon receiving through their friendly cooperation. An ancient British Canoe made of an oak tree, which was found at Stanley Ferry, near Wakefield, has been consigned to our collection by George Banks, Esq., and Mr. Hatfeild has enriched the Museum with the Mummy of a Female which he personally obtained from the tombs at Thebes during his travels in Egypt in 1839. †

* The Directors of each of these Companies previous to the excavations being made from which such discoveries have resulted, informed the Council that whatever was curious or interesting to the Antiquarian should be at the disposal of the Society.

† The accompanying male mummy, which was procured at the same time and place, by Lord Claud Hamilton, has been presented to the Museum at Coburg.

The value of such collections of the early monuments of art has been demonstrated in a most interesting manner by the use made of them in the instructive series of discourses which, according to the intimation in the last Report, has been delivered in the Theatre of the Museum by the Curator of Antiquities, the Rev. Charles Wellbeloved. The Society is indebted to the generosity of Mr. Wellbeloved for the donation of the whole proceeds arising from these able and delightful lectures, which have brought before our eyes a vivid picture of 'ancient York' in its relation to the arts and arms of Rome, and which will be followed, we hope, by a similar effort to elucidate the history of the Abbey of St. Mary, and the other noble monastic edifices which still remain to add a peculiar charm to some of the fairest scenes in Yorkshire.

The labours of one valued friend long and earnestly devoted to English antiquities are ended; we have lost from our ranks one of our earliest and most esteemed associates: yet, mindful to the last of those studies which he cherished, and that Institution which he so zealously supported, Mr. Strickland has bequeathed to us the records which he had collected for the history of St. Mary's Abbey; and in addition to this literary treasure the sum of £100, which the Society will doubtless devote to some object which would have been approved by the donor, and which may long preserve the memory of his taste and generosity.

Some donations have been received for the garden, but the principal advantage to Botanical Science which is to be mentioned on this occasion, is the completion of the volume in which their intelligent Sub-curator, Mr. Baines, has been so long engaged.

The Flora of Yorkshire is now published, and has been pronounced by a competent judge to be a successful and pleasing addition to the Botanical Library, and creditable to

the worthy author in whose diligence, accuracy, and fidelity, all who know him will confide. It has been very favourably received by the Botanical World, and the Society may be expected to take much interest in this successful effort of their Officer, since a large part of the accurate information which it contains, regarding the localities of plants, has been derived from the rich Herbarium belonging to the Society, and both the late Curator of Botany and other members of the Society have taken the liveliest interest in contributing to its completeness. Mr. Baines has also been fortunate in obtaining the co-operation of many skilful Botanists, resident in Yorkshire, and the result is a faithful Catalogue of Yorkshire Plants to the number of 1002, besides ferns and mosses.

Among the donations to the Library, the Greenwich Observations for 1835-8, and the Edinburgh Observations Vols. I. and II., presented by the Royal Astronomical Society, should be specially mentioned as an encouragement to a regular and systematic use of the Observatory.

Thus by the continued favour of the public all our principal collections have been increased, and in some departments these augmentations have now become so great as to render a new disposition of the specimens and the addition of some cases desirable. It has been found possible, without any special provision of new cases, to place in security a great part of these various contributions; but the library shelves are full; the time is come for a new disposition of the collections in Zoology and Antiquities; and for the geological museum additional space of drawers and cases is greatly needed, to allow of some further classifications, and the exhibition of many specimens which would be found of great interest could they be rendered accessible. The estimated cost of new cases and a complete set of drawers for the

geological room was found too considerable to allow of this great improvement being undertaken, but the Council earnestly recommend its execution on the earliest favourable occasion. By a very simple method one of the upper rooms has been fitted to receive the preparations in Comparative Osteology *, and thus space is gained for an improved classification of the foreign birds, the reptiles, fishes, and invertebrata. The repairs of the Hospitium have given the means of saving from injury some of the larger antiquarian remains, which are now conveniently placed in the basement, and may be more advantageously arranged hereafter, when the flooring and fitting up of this building shall have been effected.

To this account of the increase of the Museum, the Council add with regret the announcement that the Officer under whose care it has grown to its present extent is compelled, by the pressure of other engagements, to resign the charge which he has exercised for fifteen years, though he still hopes to give to the Society proofs of his unaltered regard for its interests, and some aid in carrying out its scientific objects. The necessity of this measure was explained to the Council in the commencement of the last year, and some consideration has since been devoted to the arrangement of a plan for the economical and effective administration of the Museum, which has been duly weighed, first by a special Committee and finally by the Council; and this plan, which offers but slight alterations of the general system, and yet provides for vigilant economy, as well as a due performance of requisite duties, is now submitted for the approbation of the Meeting.

It is well known that many provincial Philosophical Societies have derived great benefit from the services of members to

* Mr. Brown has presented the painting of these rooms, as well as of the boundary gates, the new fountain, and other objects.

whom the care and direction of certain portions of their Museum are entrusted ; and for assistance of this kind in many portions of its collections the Yorkshire Philosophical Society is deeply indebted. The members are aware that several of the most conspicuous departments of the Museum have been under the superintendence of Curators singularly fitted by taste and knowledge to do them justice. It is proposed to carry out this principle, to call for additional exertions of like nature, and to nominate a sufficient number of members as Curators to take charge of all the different parts of the collections, and with little personal trouble to maintain their efficiency. For this purpose it is proposed to constitute the following distinct Curatorships : viz.

Natural History Department:

1. Geology.
2. Mineralogy.
3. 4. 5. Zoology in three parts : viz. 3. Vertebrata.
4. Annulosa.
5. Mollusca and Zoophyta.
6. 7. Botany in two parts : viz. 6. General Botany.
7. British Botany.
8. Comparative Anatomy.
9. Antiquarian Department.
10. Library and Manuscripts.
11. Laboratory.
12. Observatory.
13. Meteorological Instruments.

To make this plan effective, and its operation regular, and to render as light as possible the labours of each Curator, it is proposed that the duties of the Sub-Curator shall be so far modified as to allow of his attendance every day, between certain hours, to aid in the classification and due conservation of the collections, and that an exact statement of what is entrusted to and expected from them be furnished to each Curator and to the Sub-Curator.

To compensate for these important duties, it is proposed to augment in a slight degree the stipend now paid to Mr. Baines, which will then become £100. per annum.

Into the details of this scheme it appears not necessary or useful to enter in this place, but the Council are aware that the principal recommendation of such a plan will be found in its efficiency; and that it may not be easy to find in a busy community members who can devote sufficient time to execute, or even to direct, the arrangements in even one department of an increasing Museum; yet they entertain at present a full hope of success, not only because several of the Curatorships will still be administered by members of tried zeal and knowledge, but because substantial assistance is expected from young and active officers.

Moreover, what difficulty there may be in the arrangement is rendered less formidable by the consent which Mr. Phillips has given to retain for this year the direction of the Geological Collection, which is the largest of all, and from its continual growth, demands perhaps the greatest attention, and which has, in fact, been lately re-arranged so as to include the most modern geological classifications.

In anticipation of this new arrangement, the whole Zoological Collection is undergoing a complete examination as to the condition of the specimens, which has been found satisfactory, and in the course of the next month it is confidently expected that advantage will be taken of the space now gained in the Museum of Zoology, to carry into effect the plan of an entirely new arrangement of Birds, Reptiles, Fishes, and Crustacea.

Of the ability of Mr. Baines to perform the duties which will now devolve upon him, the Council have had sufficient

proof. During the past year he has completed the arrangement of the excellent Foreign Herbarium,* which was begun by Mr. Hincks, he has rendered very effectual aid in the Museum, and has superintended to the satisfaction of the Council, the various improvements which have been *effected* in the pleasure ground.

The Garden is now enlarged toward the ancient Gateway on the North, † and the Hospitium on the West; this additional ground has been laid out with care, and the elegant fountain presented by Mr. Walker has been placed within it in an advantageous situation; the space round the Hospitium has been cleared to give effect to the architecture of this building and the ancient Water Gate which adjoins it. The expense of these and many minor details, has very much exceeded the estimates for the more simple changes originally contemplated, but the Council have had the satisfaction of finishing this work, and may now be permitted to state that, in their judgment, this is the last effort towards enlarging the grounds which a prudent regard to the general prosperity of the Institution can permit for many years, though in regard to the appropriation and embellishment of the ample space now included within our boundaries, it is probable that more useful improvements may be suggested.

The value to the health of York of so large and cheerful an area, close to the City, and accessible on terms so easy, is proved by the extraordinary efforts which private benevolence has recently made to secure advantages of this description to the population of some of our large manufacturing towns.

* Presented by the Rev. J. Graham.

† The boundary gates on this side have been presented by Mr. J. Cluderay.

The Council have to congratulate the Meeting on the reparation of the Hospitium by means of a Subscription raised among the Members, and augmented by the proceeds of a County Ball, very handsomely devoted to this object. The sum thus raised has been found nearly sufficient (after deducting various collateral expenses) under the direction of Mr. J. Harper, to reconstruct the roof and the walls, but not to complete the building for general purposes, which requires the introduction of floors, doors, and windows. It might be easily and effectually warmed by stoves, and would then become in many respects a most desirable and valuable acquisition, as an Antiquarian Museum, and a place for public meetings. The tiles which now cover the building were the gift of the York and North Midland Railway Company.

The effect of this reparation of an interesting part of the buildings of St. Mary's Abbey, combined with the enlargement of the pleasure ground in front of it, has been generally acceptable to the members as well as peculiarly gratifying to artists, and has already yielded valuable fruits.

The Horticultural Exhibition in August experienced the advantage of increased accommodation afforded by the ample rooms in the Hospitium, and the scene presented in the Museum grounds on that occasion was in every respect most gratifying. These exhibitions being now considered as an established part of the proceedings of the Institution, the directing Committee, for whose prudent arrangements and zealous exertions the Society cannot be too grateful, found it desirable to make purchases of some articles indispensable to the exhibition.* If it should be found advisable also to purchase rather than to borrow the requisite tables, the So-

* The Committee is much indebted to James Barber, Esq. for arranging these purchases satisfactorily.

ciety will be in possession of all the means of arranging these interesting and useful exhibitions, with comparatively small expense except in the prizes, which may thus be made even more worthy of the gratifying competition already excited by these meetings.

Such are the principal facts, from which and the Treasurer's accounts appended, the members will learn the state and prospects of the Institution. On a review of their proceedings, the Council see no reason to fear that the Annual Meeting will impute to them either neglect of their interests, or a needless extravagance in performing their commands. It has not been in the power of the Council to appropriate any funds to the purchase of Books or specimens of Natural History : the extension of the Garden, the Reparation of the Hospitium, the repairs and new constructions in the Museum, have left only the means of securing some of the rich remains of Eburacum which have been excavated in our sight, and which but for this timely effort might have been wholly lost to the City which ought to feel a more than common interest in every fragment of the arts of its once imperial owners.

If however the members shall now deem these spacious grounds sufficiently extended, and shall again turn their principal attention to that which should ever be the characteristic *feature* of the Yorkshire Philosophical Society, the Museum of Natural History and Antiquities, and direct to this one channel the slender stream which is at our command, the blank spaces in our cabinets may be speedily filled, and these rooms become in every respect what they were intended to be, entirely worthy of the great patronage to which we owe the Edifice and the Grounds which belong to us, worthy of our own reputation, and the objects for which we were associated together.

THE
TREASURER OF THE YORKSHIRE PHILOSOPHICAL SOCIETY,
IN ACCOUNT.

Dr.		Cr.	
1840,	£. s. d.	1839, December 31,	£. s. d.
Annual Subscriptions and Arrears		By principal money owing	
of former years - - - -	478 0 0	to the Yorkshire In-	
Annual Subscriptions of Ladies		surance Company -	2500 0 0
and keys of the gardens - -	51 0 0	By principal money	
For tickets of admission at 1s. each	50 0 0	owing to Wm. Gray,	
For Admission of 13 new Members	65 0 0	Esq. - - - -	1000 0 0
Rents of the Manor Shore Estate		By seven principal sums	
and of the Marygate Houses -	97 9 6	of 50l. owing to seven	
Balance of the proceeds of the Hor-		Members of the So-	
ticultural Exhibition - - -	48 2 6	ciety - - - -	350 0 0
For the use of the Tent - - -	15 0 0	By balance due to Messrs.	
Arrears of Subscriptions for the		Swann & Co. this day	1457 2 3
purchase of skeletons - - -	10 0 0		
Subscriptions to the Reparation of			5307 2 3
the Hospitium - - - -	177 0 0	1840.	
Donation of the Proceeds of Six		Crown Rent, one year - - -	1 0 8
Lectures, by the Rev. C. Well-		Corporation Rent, ditto - -	6 12 6
beloved - - - -	54 7 6	Water Rent - - - -	5 0 0
Dec. 31.		Poor Rates, Highway, Church, and	
Yorkshire Insurance		other Rates- - - -	33 15 11
Company - - - -	2500 0 0	Insurance, one year - - -	5 0 0
William Gray, Esq. -	1000 0 0	Executors of the late James At-	
Seven members 50l. each	350 0 0	kinson, Esq. - - - -	50 0 0
Balance due to Messrs.		Keeper of the Museum, one year's	
Swann & Co. - - -	1551 1 11	Salary - - - -	100 0 0
		Lodge Keeper, ditto - - -	10 0 0
	5401 1 11	Collector - - - -	5 0 0
		Sub-Curator, on account of Salary,	
		Labour in Garden, Incidents, &c.	215 4 1
		One year's Interest of 2500l. to the	
		Yorkshire Insurance Company -	100 0 0
		Ditto of 1000l. to Wm. Gray, Esq.	40 0 0
		Interest to Messrs, Swann & Co.	63 19 6
		Paid Bills, viz.	
		G. Hodgson, Leading -	28 19 0
		J. F. Brown, Painter -	33 17 0
		J. Cluderay, Joiner -	48 1 5
		W. Taylor, Mason -	20 11 11
		W. Hill, Coalmerchant	19 2 6
		J. Bowes, Bricklayer -	14 12 11
		Noton & Son, Glaziers	13 12 5
		Gas-lights - - - -	10 3 0
		Wilson & Co. Printers	14 0 0
		Ward, Ironmonger -	7 1 0
		Turner, Plasterer -	8 2 11
		J. Hill, Printer - -	7 16 0
		Sundry small bills	77 16 11
			303 17 0
		Hospitium Contracts - -	200 9 6
	£.6447 1 5		£.6447 1 5

Audited Feb. 1841.

Audited Feb. 1841.

ANALYSIS OF DISBURSEMENTS

DURING THE YEAR 1840.

Ordinary Expenses.

Rent, Rates, &c. :

	£.	s.	d.	£.	s.	d.
Rent to the Crown	1	0	8			
Rent to the Corporation	6	12	6			
Land Tax	0	11	6			
Water Rate	5	0	0			
City Commissioners' Rate	0	12	6			
Poor Rates	26	12	0			
Highway Rates	4	8	8			
Church Rate, £1. 10s. 3d. ; Easter Dues, 1s. ...	1	11	3			
Insurance	5	0	0			
				51	9	1

Salaries and Wages :

Keeper of the Museum	100	0	0			
Sub-Curator	85	0	0			
Servant and Cleaning Rooms	20	0	0			
Lodge-Keeper	10	0	0			
Labourer	33	0	0			
Collector	5	0	0			
				253	0	0

Interest on Debt :

Interest on Mortgage Debt on Manor Shore ...	100	0	0			
Interest on £1000.	40	0	0			
Interest to Bankers for being overdrawn ...	63	19	6			
				203	19	6

Museum :

New Cases for Skeleton Room	12	10	0			
Furniture, Painting, and Repairs to Museum and Marygate Cottages	111	14	9			
Purchase and Preparation of Specimens ...	14	3	11			
Expenses attending the procuring and removal of Antiquities	36	11	3			
Opening the Museum to the Public on Whit-Monday and Whit-Tuesday	3	3	3			
				178	3	2

Garden, Grounds, &c. :

Fifty New Keys to Garden Gate	6	5	0			
Cultivation of Garden, Enlargement of Ditto, and removal of, and rebuilding Walls to Ditto, near the Hospitium and towards Marygate ...	113	9	2			
				119	14	2

Library :

Books and Binding				8	19	3
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Printing, &c. :

Printing	27	14	6			
Stationery	1	18	5			
Advertising	0	15	0			
				30	7	11

Incidents, including Coals, Coke, Gas, Postage, and Carriage...

43 15 7

£889 8 8

Extraordinary Expenses.

Money repaid to James Atkinson's Executors, by Order of Annual Meeting, 1840

50 0 0

Expenses attending the Reparation of Hospitium, so far done

200 9 6

250 10 6

£1139 19 2

RESOLUTIONS

PASSED AT THE ANNUAL MEETING, FEB. 2nd, 1841,

WM. HATFEILD, Esq., F.G.S. IN THE CHAIR.

1. That the REPORT of the Council be adopted and printed for the use of the Members.
2. That the Thanks of the Society be given to John Phillips, Esq. F.R.S. for his eminent services rendered to the Society, during the 15 years that he has been charged with the care of the Society's Museum.
3. That the Thanks of the Society be given to the Rev. Charles Wellbeloved, for the excellent discourses which he has delivered on the Antiquities of the Museum, and for the liberal donation of the proceeds thereof to the funds of the Institution.
4. That as it appears to this Meeting that the arrears due to the Yorkshire Philosophical Society now amount to the sum of £200, the Council are requested under the sanction and authority of this Meeting, immediately to take the necessary steps at their discretion enabling them, if possible, to collect such arrears, and to report the result of their applications to a future Meeting.
5. That Charles Hamilton Wake, Esq. 34th Native Infantry, East India Company's Service, be elected an Honorary Member.
6. That the Thanks of the Society be given to the Vice-Presidents and Members of the Council retiring from office.
7. That the Thanks of the Society be given to the Treasurer and Secretaries, for their valuable services.
8. That the Thanks of the Society be given to the Curators of the several departments of the Museum, for their services during the past year.
9. That the Council be again empowered on certain days to be selected by them during the present year, to permit FREE ADMISSION to the Museum and Gardens TO ALL PERSONS; the mode of admission to be regulated by the Council.
10. That the Regulations adopted by the Annual Meetings in 1836, 1837, 1838, 1839, and 1840, for the ADMISSION OF STRANGERS by the purchase of Tickets, be continued for the present year.
11. That the Resolutions of the last Annual Meeting, empowering the Council to authorize the holding of one or more HORTICULTURAL MEETINGS in the Society's Gardens, be continued in force during the present year.
12. That the best Thanks of the Society be given to the Chairman and Committee of Management of the Horticultural Fête held in August last; and that they be respectfully requested to continue their valuable services for the year 1841.

MEMBERS
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY,
ELECTED IN 1840-41.

1840.

Barnes, Robert, *York*.
Carruthers, William John Arthington, *Arthington Hall*.
Dobson, Rev. John, *York*.
Duesbery, William Duesbery Thornton, *Beverley*.
Hobson, George, *York*.
Howard, Charles, *York*.
Kaye, Sir John Lister Lister, Bart., *Denton Park, Huddersfield, and York*.
Markham, Rev. Henry Spencer, *Clifton, Notts. and York*.
Moore, Oswald Allen, *York*.
Simpson, George, *York*.
Thiselton, Charles Arthur, *York*.
Thurnam, John, *York*.

1841.

Lascelles, Hon. Edwin, *Harewood House*.
Laycock, Thomas, M.D. *York*.
Lloyd, George, Jun. *Eastfield House*.
Ridsdale, George, *Old Hall, Wakefield*.

HONORARY MEMBERS ELECTED IN 1840-41.

Hincks, Rev. William, F.L.S.

1841.

Charles Hamilton Wake, *34th Native Infantry, East India Company's Service*.

SCIENTIFIC COMMUNICATIONS

TO THE

GENERAL MEETINGS.

MARCH 3, 1840.—Notice of Meteorological Observations in Yorkshire and Westmorland, in 1839, by JOHN PHILLIPS, F.R.S. and JOHN FORD.

APRIL 7.—Notice of Meteorological Observations at Brandsby, in 1839, by F. CHOLMELEY, Esq. F.H.S.

JUNE 2.—Drawing and Description of Parhelia seen at Thirkleby, near Thirsk, on the 19th April, 1839, by a Lady.

DEC. 1.—Remarks on Two Springs in Herefordshire, by the Rev. W. TAYLOR, F.R.S.

JAN. 5, 1841.—A Demonstration of Euclid III. 31, proposed by the Rev. W. TAYLOR, F.R.S.

A Statement of Thermometrical and Hygrometrical Observations, made during a voyage on the Nile, in 1839, by W. HATFIELD, F.G.S.

DONATIONS

TO

THE SOCIETY'S MUSEUM.

GEOLOGY.

- | | | |
|----------------------------------|--------|--|
| H. Bower, Esq. F.S.A. ... | ... | Tusk of <i>elephas giganteus</i> , from Cheveley, near Newmarket, with molar teeth. |
| C. Greaves, Esq. ... | ... | Plants from the sandstone near Harrogate; vermicular impressions on sandstone. |
| | | Several fossil shells, from the strata of the Yorkshire coast. |
| James Hamerton, Esq. ... | ... | Fossil fruits, from Herne Bay. |
| Lady Flora Hastings ... | ... | Fossil shells, from Bredon, in Leicestershire. |
| W. Hatfeild, Esq. ... | ... | A series of fossil shells and echinida, from the tertiary rock of the Mokattam range in Egypt, collected by himself in 1839. |
| Rev. F. O Morris ... | ... | A specimen of <i>clypeus sinuatus</i> . |
| — Payton, Esq. (<i>Dudley</i>) | | Specimen of <i>Calymene Blumenbachii</i> ; cast of the largest specimen of <i>Calymene Blumenbachii</i> yet found at Dudley. |
| George Pollard, Esq. ... | .. | A series of fossil plants, from Bradford. |
| Rev. C. Sykes, F.G.S. ... | ... | Horn and bones of red deer, found at Owthorn, in Holderness. |
| Dr. Wake ... | ... .. | Fine tetragonolepis, and remarkable fossil plant, from Lyme Regis. |
| Baldwin Wake, Jun. Esq. | | Fossil plants, from Low Moor, near Bradford. |

MINERALOGY.

John Bleckly	...	...	Sulphate of lime, from the Yorksh. Wolds.
Capt. Ivanitzky	...	...	Vivianite in a bivalve shell, from the Crimea.
Samuel Powell, jun. Esq.			Carbonate of lime, from the Gibbet Hill, Knaresborough.

ZOOLOGY.

VERTEBRATA.

R. H. Anderson, Esq.	...	Xiphius gladius.
The Archbishop of York...		A ptarmigan.
G. L. Fox, Esq.	... ..	Reeve.
Rev. W. V. Harcourt, F.R.S.		Several in spirits.
W. Hatfeild, Esq. F.G.S....		Egyptian reptiles in spirits ; eggs of the ostrich ; fishes' heads.
Mr. H. Newcombe	...	A common buzzard.
John Swann, Esq.	...	A pied grouse.
		A dormouse.
C. H. Wake, Esq., 34th		An Indian coot.
Native Infantry		

ANNULOSA.

T. Meynell, Esq. jun. F.L.S. Several British Insects not previously in the Collection.

MOLLUSCA AND ZOOPHYTA.

F. J. Copsie, Esq.	...	Two corals.
Miss Hobson	...	Cyprina, argonauta, and other recent shells.
Rev. F. O. Morris	...	Several shells.

COMPARATIVE ANATOMY.

Earl of Enniskillen, F.R.S. Long bones of the hind legs of Irish elk.
J. F. Lockwood Injected preparation of a horse's head.

ANTIQUITIES.

George Banks, Esq.	...	An ancient canoe made out of an oak tree, found at Stanley Ferry, near Wakefield.
H. P. Cholmeley, Esq.	...	A trifurcate Roman lamp, from the railway excavations at Toft Green.
Churchwardens of St. Martin's, Coney-street, York		Piece of embroidered velvet, formerly the pulpit cloth of the church.
W. Hatfeild, Esq.	...	Mummy of a female, obtained by the donor at Thebes, in 1839.
Rev. F. O. Morris...	...	185 impressions of seals and antique gems.
North of England Railway Company		Jet pins, &c., stone coffins, a small leaden coffin.
H. Robinson, Esq.	...	Impression of seal of Merchant Adventurers' Company of the City of York, found among the ruins of Shap abbey, in Westmoreland.
— Rutter, Esq.	...	Bulla of Pope Nicholas.
Rev. C. Wellbeloved	...	Copper Roman pin, found in railway excavations.
York and North Midland Railway Company		Roman remains, from the excavation at the terminus, viz. a lead coffin, containing a skeleton; Roman glass, pottery, &c.

COINS.

— Kell, Esq.	...	Sticas from Hexham.
Samuel Kenrick, Esq.	...	Twenty Roman and English coins.
Rev. J. Kenrick	...	Three coins, found in the York and North Midland Railway excavations.

- John Phillips, Esq. F.R.S. Twenty-five Roman brass coins, found in the railway excavations.
- Rev. C. Wellbeloved ... Gold coin of Carinus, with thirty silver sticas, found in the railway excavations.

THE GARDEN.

- Mr. J. F. Brown ... Six loads of manure.
- W. Oldfield, Esq. ... Eight loads of manure.
- J. Roper, Esq. ... Six loads of peat.
- Major Yarburgh ... One load of peat.
- Mr. Clarkson ... 50 Roses.
- Mr. Bearpark ... 50 Roses.

MISCELLANEOUS.

- H. Baines ... Model of Roman bath discovered in the railway excations at York.
- Mr. J. Bleckly ... Specimen of burnt wheat, found after the fire at Appleton mill.
- Mr. J. F. Brown ... The painting of the boundary gates ; the painting of a fountain and two of the exhibition rooms.
- Mr. J. Cluderay ... Fragments of wood and masses of bell metal, from the ruins of York Minster.
A pair of handsome boundary gates for the garden.
- F. J. Copsie, Esq. ... Bust of Flaxman.
- The York Glass Company Specimens of glass, and the materials used in its composition at the York Works.
- S. Hailstone, Esq. F.L.S. Mass of silicated substance, the residuum of burnt hay.

W. Hatfeild, Esq. F.G.S.		The dress of a Nubian female.
G. Hobson, Esq.	...	A garden chair.
Mr. Alderman Hotham	...	A curious old carving in wood, representing the coopers' arms.
Teachers of the York Medical School		Their medal in bronze.
R. R. Pearce, Esq.	...	Carved image taken from a church at Trun.
Miss Preston	...	Beads, cloth, comb, &c., from Aheita.
Rev. C. Wellbeloved	...	Model of part of Hadrian's vallum and camp, at the station supposed to be Alione.

THE LIBRARY.

Society of Arts	...	Vol. of the Transactions of the Society.
Royal Astronomical Society		Greenwich Observations, for 1835—8. Edinburgh Observations, Vol. I. II.
Professor Bache, (<i>the Author</i>)		Report on Education in Europe, presented to Girrd College, in Philadelphia, in 1839.
H. Baines	...	Flora of Yorkshire, 8vo, 1840.
J. Bleckly	...	Introductory Discourse delivered to the Literary and Philosophical Society of New York, 1814. Also some Papers relating to the Literary and Philosophical Society of York, a Society in existence previous to the formation of the Yorkshire Philosophical Society.
A body of Subscribers, through Mr. Bleckly		A Portrait of the Queen, engraved after the Picture, by
Birmingham Institution	...	Report for 1838-9.
Botanical Society of Edinb.		Report for 1840.
British Association, for the Advancement of Science		Report for 1839.
Churchwardens of St. Martin's, Coney-street		Black Letter Bible.

Royal Cornwall Polytechnic Society	Report for 1837.
John Dunn, Esq. (<i>the Author</i>)	On the Vital Statistics of Scarborough.
Dr. Fitton	Review of Lyell's Geology.
Professor Forbes, (<i>the Author</i>)	On the Diminution of Temperature, with Height in the Atmosphere, at different seasons of the year, 1840.
	Experiments on Terrestrial Magnetism, 1840.
	Remarks on Heat, 4th Series, 1840.
Geological Society, London	Proceedings of the Session 1839-40.
Mr. W. Hobson	A Drawing of an Egyptian Mummy, in the Museum of the Literary and Philosophical Society, at Leeds.
John Hogg, Esq. F.L.S. (<i>the Author</i>)	On Spongilla.
Leeds Literary and Philosophical Society	Report for 1839-40.
Executors of John Maude, Esq.	Addition to the Work of John Maude, Esq. on North America.
Rev. F. O. Morris... ..	His Work, entitled Guide to the Arrangement of British Birds.
	Several Numbers of the 'Naturalist.'
G. Poulson, Esq. (<i>the Author</i>)	History and Antiquities of Holderness.
Rev. W. Taylor, F.R.S. ...	Catalogus Stirpium et Fossilium Silesiæ.
J. Thurnham, Esq. (<i>the Author</i>)	On Aneurisms.
Whitby Literary and Philosophical Society	Report for .
Rev. Dr. Young	His Work, entitled 'Scriptural Geology.'



